



# OPERATORS MANUAL

## AHCON PCI 1000



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## **Manufactures information**

Art. No.: 100 04 000 / 100 07 000 / 100 12 000

Type: AHCON PCI 1000 4 / 7 / 12 Bar

Application: Full automatic computer inflator for inflating car- light truck- truck- tractor- and EM tyres.

Technical data: Power supply: 230V ( $\pm 10\%$ ) – 50/60 HZ  
Max. Air pressure connection: 13 Bar (ü)  
Max. Inflating pressure: 4, 7, eller 12 Bar (see model information).  
Measuring tolerance: 0,035 Bar  
Test: Durability test. (Optional software)  
Signals:  
- Loss of pressure „Compressor pressure to low“.  
- measuring pressure by start „Wheel connected“.  
Measuring units: KPA-BAR-PSI  
Choice of language: German, English, Danish.)  
Field operation: As an individual computer inflator or as an integrated part of an AHCON Speed Line System.

Manufacture: **AHCON WHEEL SERVICE EQUIPMENT**  
**Danmarksvej 25**  
**DK – 8660 Skanderborg**  
**+45 76152150**  
**E-mail: [ahcon@ahcon.dk](mailto:ahcon@ahcon.dk)**

Dealer:



## **Warnings!**

### **Safety precautions**

AHCON PCI 1000 must only be used by trained personnel.

AHCON PCI 1000 must only be used for inflating of car- light truck- truck- tractor- and EM tyres. For inflation of small tyre / wheels, optional soft ware is available.

Tyre service should only be performed by persons trained properly.

AHCON disclaim all responsibility for failures occurring by working procedures, which do not comply with procedures recommended by AHCON and /or tyre and rim manufacturers (ETRTO / STRO).

## **Risk and labelling**

**PCI 1000 7 Bar and 12 Bar versions has only to be used in connection with safty cages.**

**Max. Air pressure connection 13 Bar.**

## **Safety and protection**

### **Safety distances**

No for operator.

**1 m for others.**

By use of Omega Jet System approved ear protection is required.

### **Safety devices**

By shut off the PCI or by shut down off electric power, the pressure will be leaded out of connected wheels.

This machine is constructed in such a way that the operator cannot be harmed by normal use of the machine as long as the instructions are closely followed.

## **Warranty**



AHCON guarantees that the product will live up to the specifications at the time of delivery and will be faultless as regards materials and workmanship for a period of 24 months after the product has been invoiced to the end user.

Components and parts related to normal wear and tear are not included in the warranty.

AHCON will not be responsible for damages occurring by negligence, improper use, incorrect installation, etc.

All products and parts returned to AHCON for repair and replacement must be forwarded carriage paid.

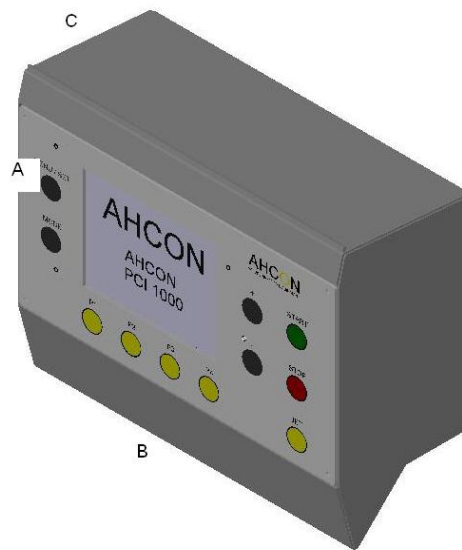
## **Measurements and weight**

A: Height: 240 mm

B: Width 290 mm

C: Depth: 125 mm

Weight net: 7 Kg.



## **Measurement for shipment**

Height: 250 mm

Width: 500 mm

Depth: 310 mm

Shipment weight: 8 Kg.

## Connection

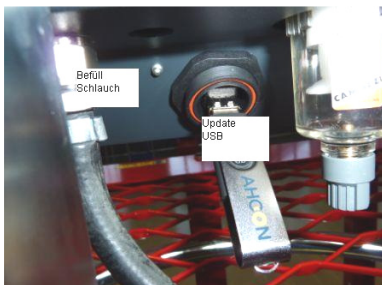
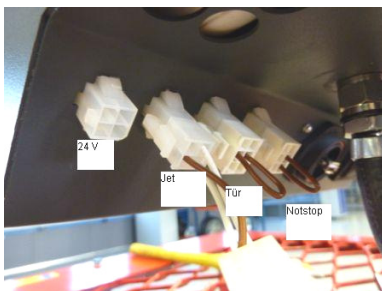
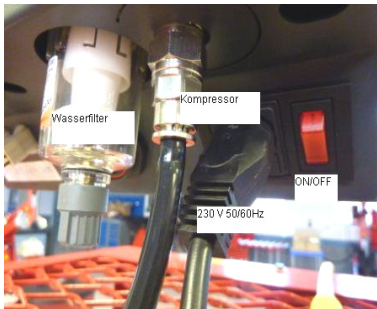
### Connection compressed air

Compressed air connection. Max: 13 Bar

### Power connection

230 V +/- 10% / 50-60 HZ

### Terminal connection:



### From left:

- Water filter.
- Connection for compressed air.
- Power connection:  
230 V, +/-10%, 50-60Hz
- On / Off

- 24V output for warning lamp (optional).
- Port for „Omega Jet System“
- Port for safety door switch.
- Port for extern emergency stop.  
(Optional).

- Connection for inflation hose.
- USB port.



## Manual



Turn on the PCI.



Display: **“Software version and language”**.



Shifts atomically to P1  
Pre set program values for P1:  
**“Set pressure”: 4,0 Bar**  
**“End pressure”: 2,0 Bar.**



### **MENU's:**

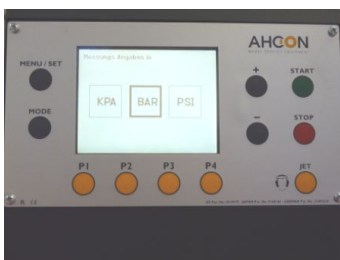
Press the **„MENU/ SET“** button once:  
Menu point, **„Software Version“** will be displayed.

Adjust kontrast:

Less contrast: Press the **-** button.

More contrast: Press the **+** button.

Contrast adjustment will **not** be stored!



Press the **„MENU/SET“** twice:

Menu point measuring units

**„KPA/BAR/PSI“** will be displayed.

Change: hold **„MODE“** for 2 Sec.

Choose with **„MODE“** the unit wanted.

Confirm: Hold **„MENU/SET“** for 2 sec.

## Programming of inflation programmes P1 – P4

Choose filling programs by „**MENU/SET**“.



Hold „**MENU**“ for 2 sec.  
Adjust „**Set**“ values with – or +.



Press „**MENU**“ once again.  
„**End pressure**“ will be displayed.



Adjust „**End pressure**“ with – or +



### **Store:**

Choose any P program 1 – 4 and hold down for 2 sec.



## Use of inflation programs 1 - 4



Set the hose nipple firmly to the valve.  
Be sure you have a good connection



Choose program P1 – P4.  
Press „**Start**“  
The program will start.

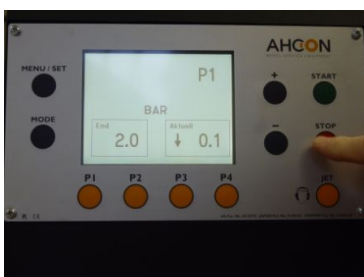


„**OK**“The program has ended.



### Adjust tyre pressure

Adjust with – or +.  
Press „**Start**“ the tyre will be filled to requested values.  
No “Set Pressure” will be displayed.



**Turn back to program.**  
Press any „**P**“ 1- 4.

**The program can be interrupted at any time:**

Press: „**STOP**“

## **Noise**

Noise from this machine is less than 70 dB

## **Specialfunktionen**

### **Special Software can be uploaded by USB: (Optional)**

1. Chance version: 4 - 7 or 12 Bar.
2. Language: English, German or Danish.
3. Filling sequences in P1-P2-P3-P4 can be adjusted individually.
4. Common sequence adjustment.
5. Select: Automatic or manual adjustment of tyre pressure.

### **Upload new Software:**



Set USB sticker in USP port.  
Turn on the unit.



Press „**START**“ to confirm upload.

**After upload of new software the unit has to be calibrated, contact your dealer!**

## Use of „Omega-Jet-System“ in AHCON Speed Line System.



AHCON PCI 1000 can be fit into all Ahcon Speed Line Systems.  
"Omega Jet Systems" can be operated directly from the PCI.



Start inflating program.  
Press „**JET**“  
The PCI will open the valve in the "Omega Jet System" for 3 sec.

## Warning signals:

### ***„Low compressor pressure“.***

Possible failures:

- The tyre will not take pressure.
- Air connection blocked.
- Compressor failure.

### ***„Wheel Connected“.***

Inflation hose / nipple connected to wheel with air pressure.

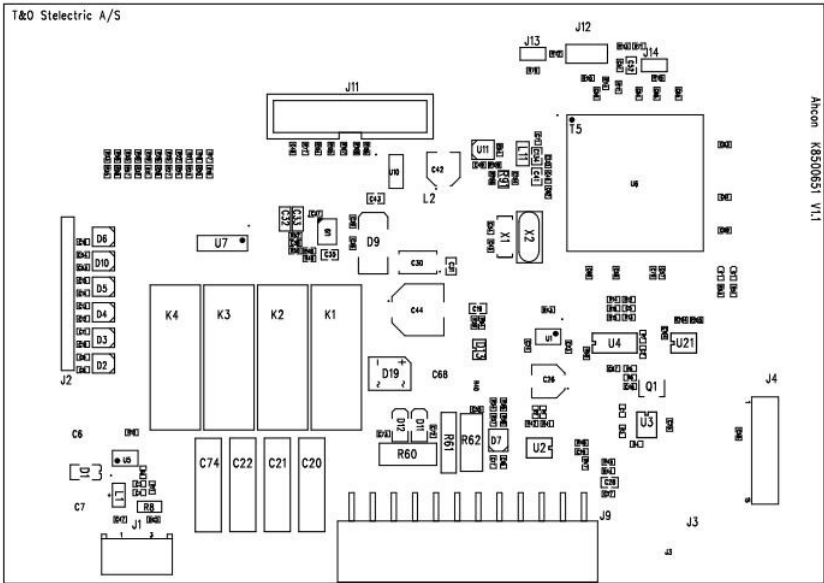
## Repair

Only trained personnel should be used for repair and maintenance of this machine.

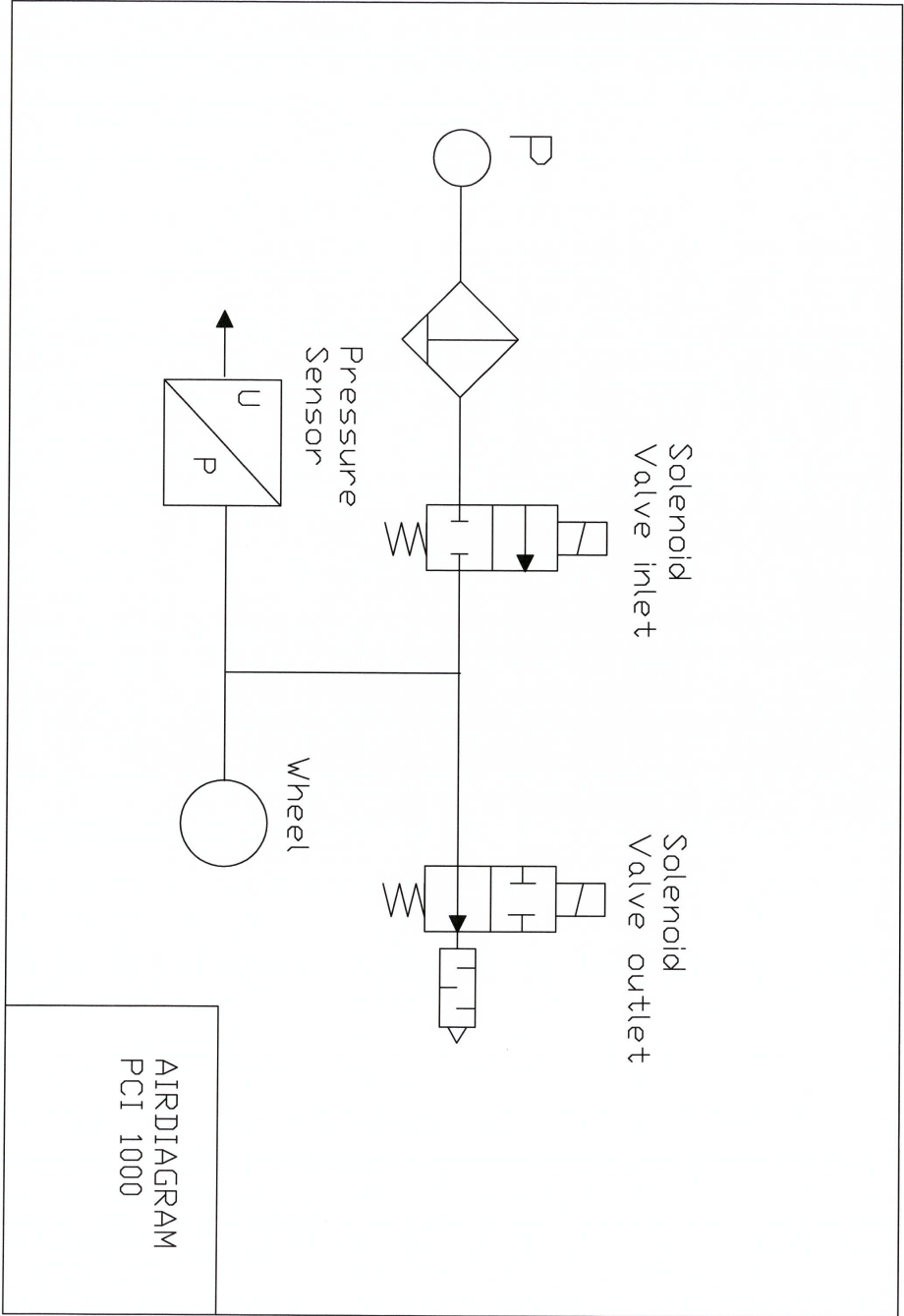
**Contact your AHCON dealer.**

Chart

Ahcon regulator I/O connections in Molex connector												
Pin	1(1)	2(3)	3(5)	4(7)	5(9)	6(11)	7(13)	8(15)	9(17)	10(19)	11(21)	12(23)
Func	Pressure Transmit 5 V	Pressure Transmit GND	USB ST	USB GND	Jet Switch GND	Door Switch GND	24 V AC	Emerg	mpe 24 VAC N	valve 24 VAC N	valve 24 VAC N	lamp 24 VAC N
Pin	13(2)	14(4)	15(6)	16(8)	17(10)	18(12)	19(14)	20(16)	21(18)	22(20)	23(22)	24(24)
Func	Transmit signal	USB 5 V	USB D	USB D	JET Switch out	Door Switch out	24 VAC	Emerg	mpe 24 VAC L	valve 24 VAC L	valve 24 VAC L	lamp 24 VAC
Num. Ref. Molex datasheet												
Num ( T&O's pin no.)												



**Air chart**



Declaration of conformity:

AHCON WHEEL SERVICE EQUIPMENT ApS.  
Danmarksvej 25  
DK-8660 Skanderborg

Declares that the following product:



Type: AHCON PCI 1000  
Art. No.: 100 10 040, 100 40 070, 100 10 120  
Product No.:  
Production year: 2010

Has been produced in accordance with the Council's directives:

*2006/42/EF 17<sup>th</sup> of May 2006 - 2006/95/EF – EMC 2004/108/EF*

*Altered by the following:  
98/37/EEC*

Has been produced in accordance with the following standards:

DS/EN 292-1 and DS/EN 292-2  
DS/EN 294  
DS/EN 811  
EN 951-1  
DS/EN 349

Date: 16.06.10

Name: Bo Møller

Signatur:

A handwritten signature in black ink, appearing to be 'BM' or similar, written over a horizontal line.